



European
Commission



Strengthening cooperation in the disaster risk and crisis management sectors – Perspectives within Horizon 2020

Philippe QUEVAUVILLER

Innovation and Industry for Security

DG HOME

Security Research in Horizon2020

- Maintains its mission driven character
- Supports EU internal and external security policies
- Supports the EU industry to be competitive
- **Strengthens the involvement of the end-users**
- Takes more into account the Societal Dimension
- Includes Cyber-Security





Who are the Users in the Disaster Risk / Crisis Management areas?

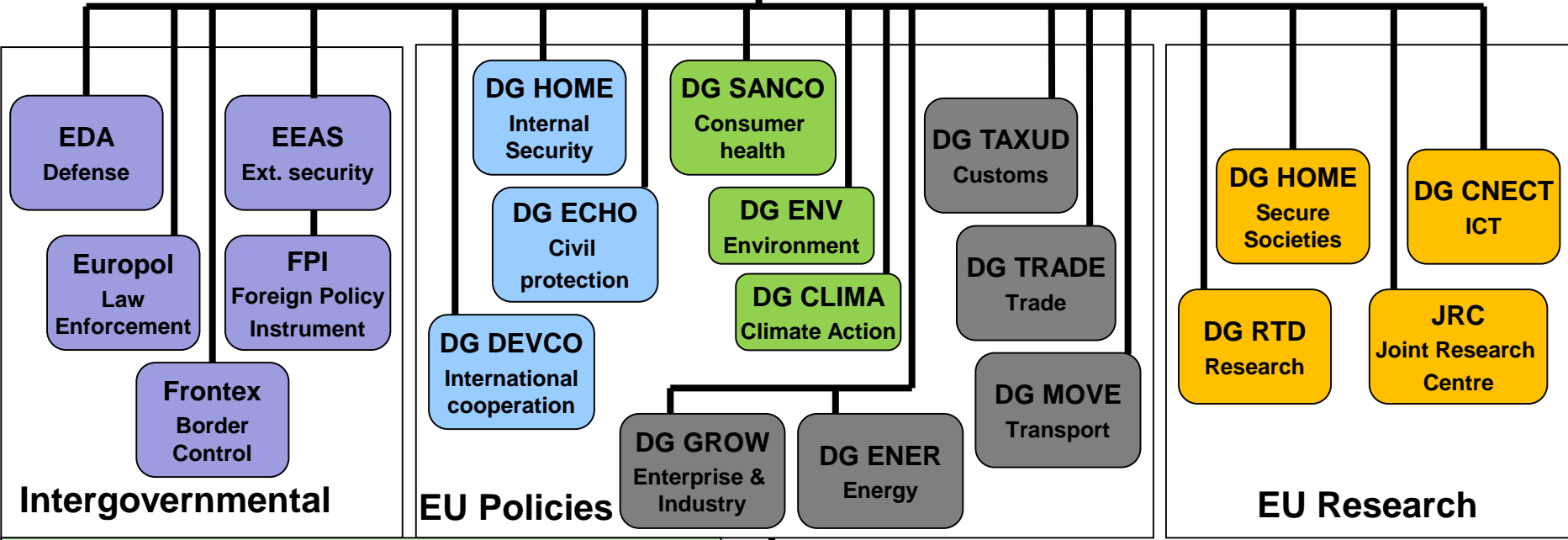
- Many different disciplines and sectors within CBRN-E and other hazard-related communities, as a matter of simplification, five categories are considered:
 - 1. Policy-makers:** EC Policy DGs, Intergovernmental Agencies, Member States Ministries
 - 2. Scientists:** Universities, Research Institutes, Research Units linked to Ministries or Industry sectors
 - 3. Industry** (including SMEs): Many industry branches in the areas of defence, forensics, civil protection etc.
 - 4. Operational units:** First responders, emergency services, police, civil protection units, military units, laboratories etc. + training centres, command control centres
 - 5. General public:** NGOs, public at large, education (schools) and training

EU Policy implementation: need for strategic approach



EU Bodies

Member States (Committees)



+ INTERPOL, NATO, UN Bodies

Industry, Stakeholders, NGO's, Researchers, Experts, etc.

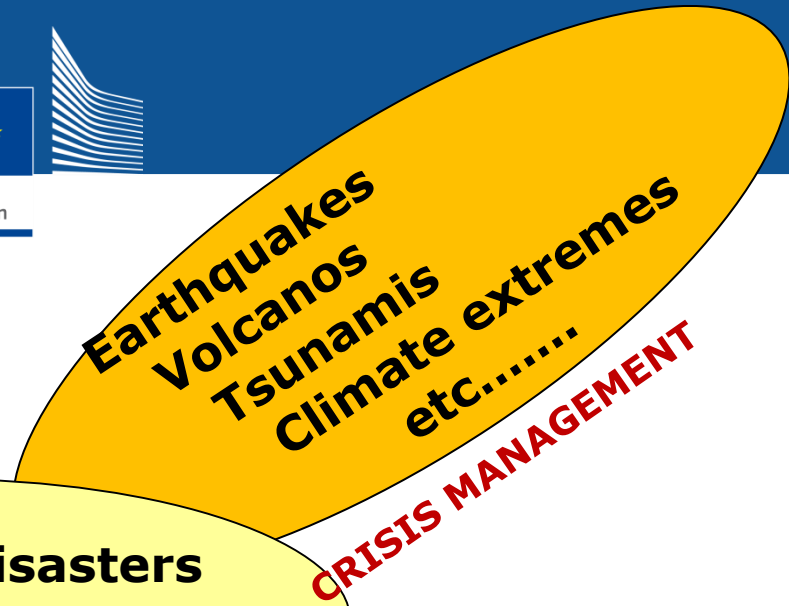
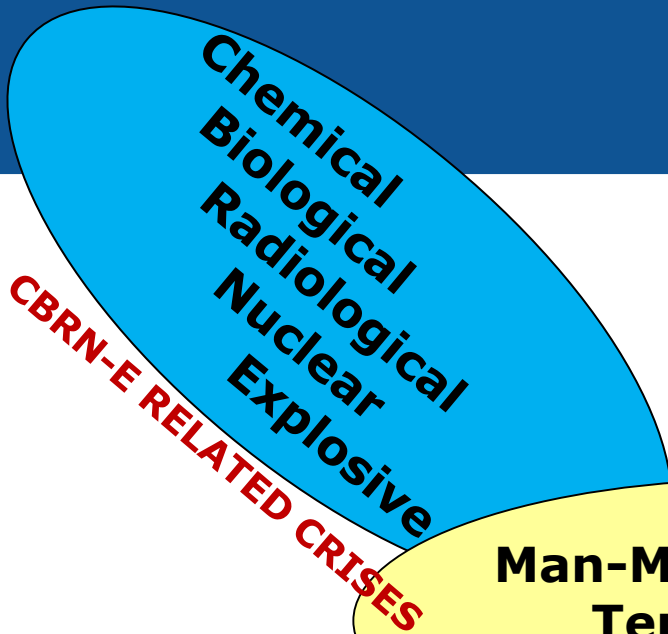


Why do we need to strengthen cooperation?

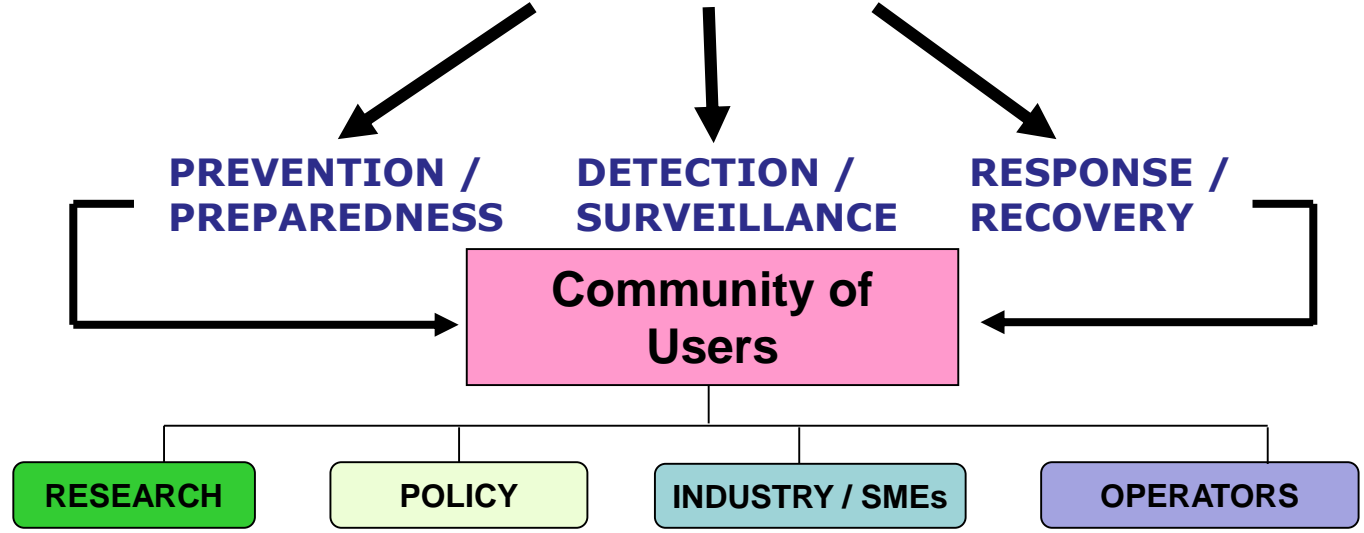
- Large span of policies and research projects users, leading to **fragmentation of information** and lost opportunities regarding possible synergies. There is a strong need to boost awareness about:
 1. Research projects
 2. Policy developments
- **User's needs are insufficiently targeted** and should be considered in the light of research programming
- **Links among scientific outputs and policy objectives** (in particular EU security and industrial policies) are often lacking and interactions will be beneficial

Why do we consider a single group on Disaster Risk and Crisis Management?

Despite specific features related to e.g. CBRN-E and Civil Protection, common grounds exist in relation to operational features, justifying that a dialogue be established among the different communities



COMMON GROUND: DISASTER RISK AND CRISIS MANAGEMENT (DRCM)





What do we want to achieve?

- Enhanced **links and interactions** among research, policies, industrial developments and operator's needs for a **better framing of Horizon2020** in the security sector, through a platform of exchange of publicly available information
- **Developing synergies at European level** and with the Member States to raise awareness and enhance the transfer of research outputs to user's communities
- **Identifying most promising tools** / technologies and "tailor-made" information sharing to enhance their usability and their access to the market

Setting the architecture - Mapping principles: per policy sector and operational features



POLICY: Technical challenges?

**CBRN-E
ACTION PLAN**

**CIVIL
PROTECTION**

HEALTH

**PREVENTION
PREPAREDNESS**

- Xxxxxx
- Xxxxxxx
- xxxxxxx

**DETECTION
SURVEILLANCE**

- Xxxxxx
- Xxxxxxx
- xxxxxxx

**RESPONSE
RECOVERY**

- Xxxxxx
- Xxxxxxx
- xxxxxxx

**HORIZONTAL
ACTIONS**

- Xxxxxx
- Xxxxxxx
- xxxxxxx

RESEARCH: Response to policy challenges?

2010

2011

2012

- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx

- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx

- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx

- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx
- Xxxxxx
- Xxxxxxx
- xxxxxxx

MAPPING →

PREPAREDNESS

**CBRN-E
ACTION PLAN**

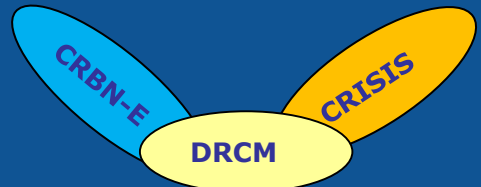
**CIVIL
PROTECTION**

HEALTH

Projet xxx
• Xxx
• xxx
Projet xxx
• Xxx
• xxx

Projet xxx
• Xxx
• xxx
Projet xxx
• Xxx
• xxx

Projet xxx
• Xxx
• xxx
Projet xxx
• Xxx
• xxx



RESPONSE / RECOVERY

CBRN-E ACTION PLAN

CIVIL PROTECTION

- Emergency response, Threat assessments
- Criminal investigations and forensics
- Decontamination, DSS
- Response to disasters
- Planning of response operations

CBRN-E

AVERT
CBRN-E

CBRN-E

HYPERION
LAW ENFORC.

DRCM

COUNTERFOG
CBRN, CIVIL PROT.

FRESP
CBRN, CIVIL PROT.

IF REACT
CBRN, CIVIL PROT.

MULTIBIODOSE
CBRN, CIVIL PROT., HEALTH

CRISIS

COPE
CIVIL PROT.

HELP
CIVIL PROT.

INFRA
CIVIL PROT.

DITSEF
CIVIL PROT.

HELI4RESCUE
TRANSPORT

OPSCIC
ETHICS, CIVIL PROT.

FASTID
CIVIL PROT.

CRISYS
CIVIL PROT.

SGL FOR USAR
CIVIL PROT.

GERYON
CIVIL PROT.

SPARTACUS
CIVIL PROT.

RAIN
CLIM, CIP

DESSI
CIVIL PROT.

DARIUS
CIVIL PROT.

CRISIS

SICMA
CIVIL PROT.

ISITEP
CIVIL PROT.

COBACORE
CIVIL PROT.

RECONASS
CIVIL PROT.

EVACUATE
CIVIL PROT.

INACHUS
CIVIL PROT.

ISAR+
CIVIL PROT.

CAERUS
CIVIL PROT.

GAMMA
TRADE

CAERUS
TRADE

CRISIS

PSYCRIS
ETHICS, CIVIL PROT.

PEACE
CIVIL PROT.

DRCM

ACRIMAS
CBRN, CIVIL PROT.

PRACTICE
CBRN, CIVIL PROT.

INDIGO
CBRN, CIVIL PROT.

CATO
CBRN, CIVIL PROT.

DRCM

BRIDGE
CIVIL PROT.

C2-SENSE
CIVIL PROT.

E-SPONDER
CIVIL PROT.

SOTERIA
CIVIL PROT.

DESTRIERO
CBRN

S(P)EEDKITS
CIVIL PROT.

IMPRESS
HEALTH, CIVIL PROT.

DRCM

SNOWBAL
CIVIL PROT.

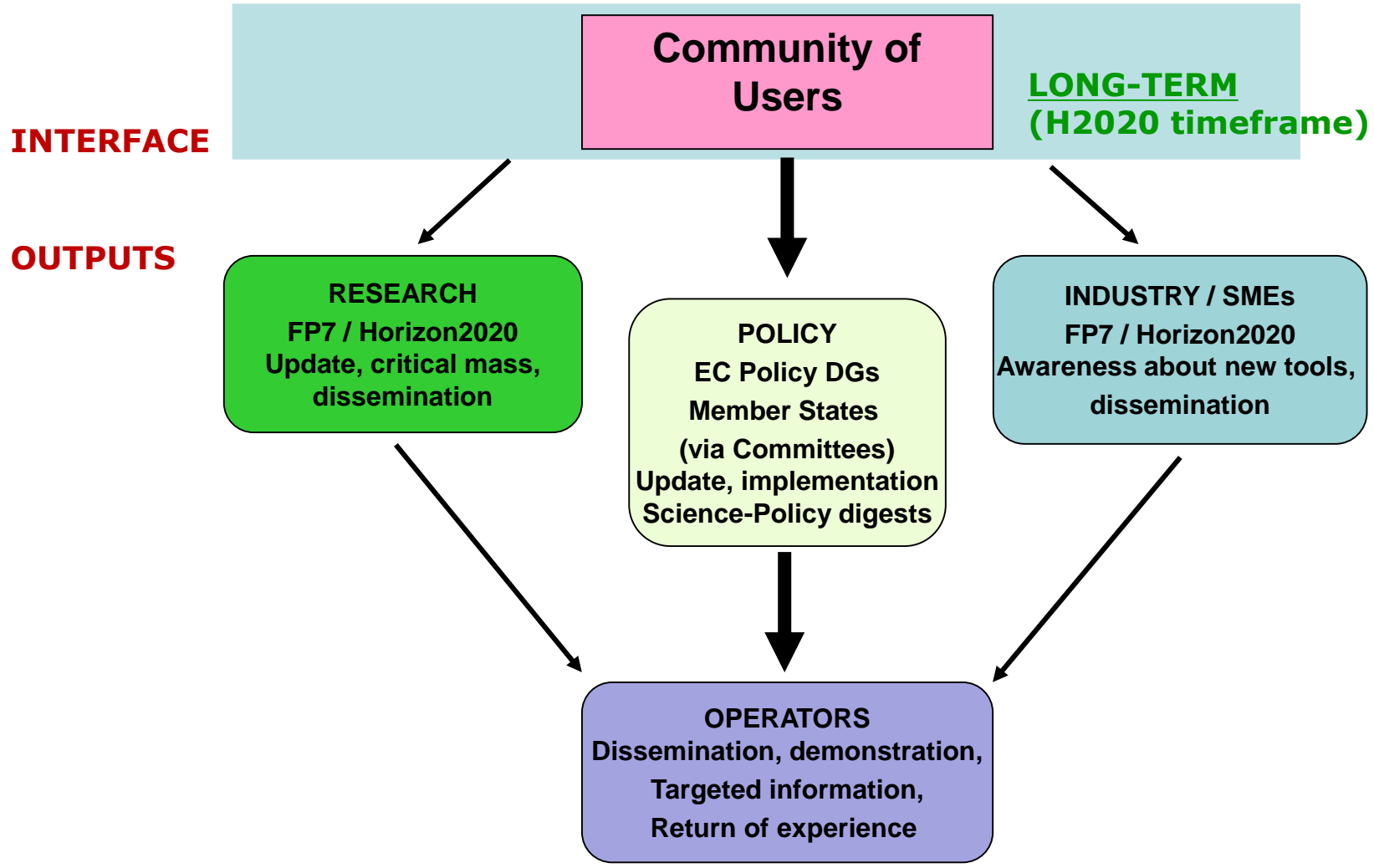
CASCEFF
CIVIL PROT.

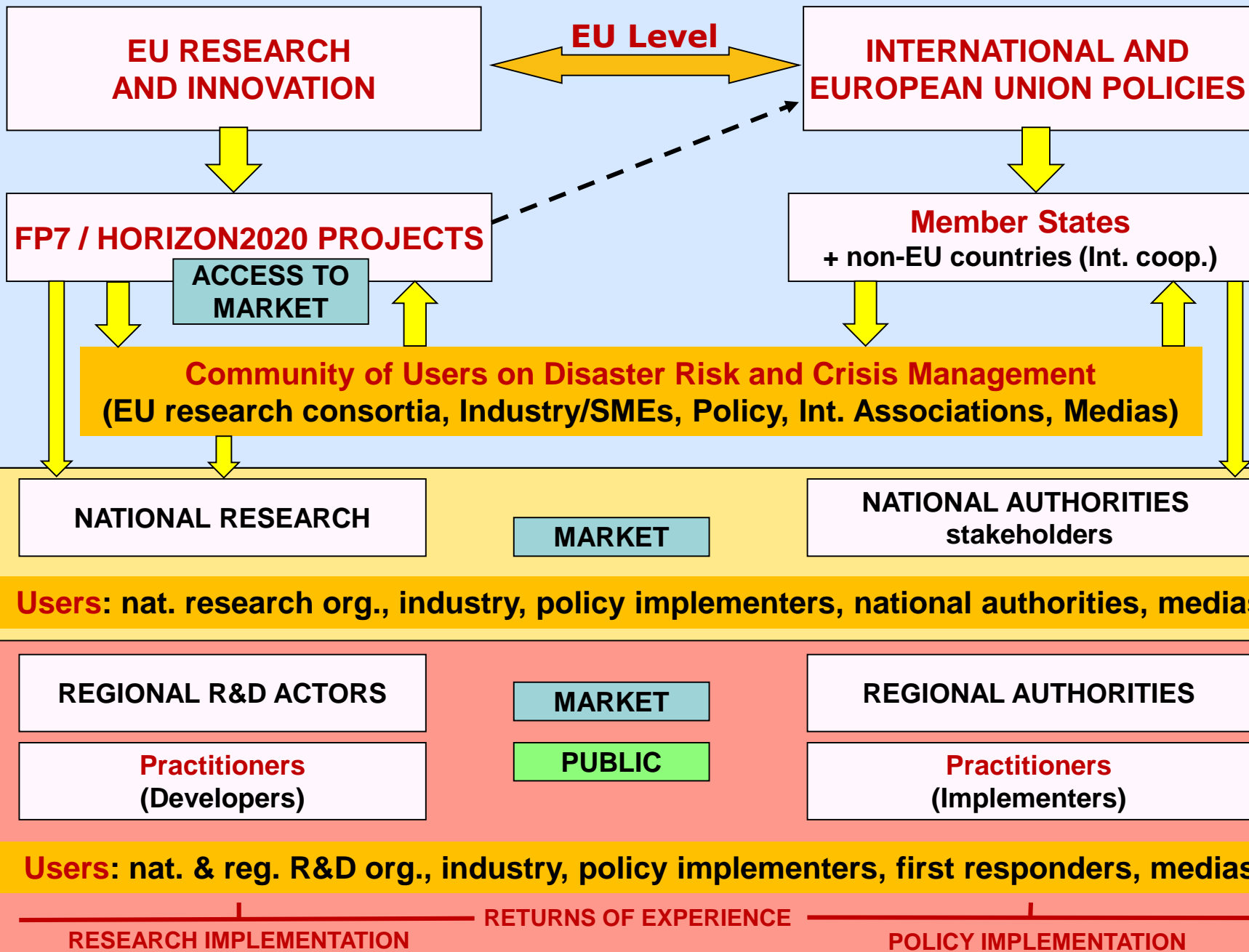
ICARUS
CIVIL PROT.

TACTIC
CIVIL PROT.

SAFE-COMMS
CRIME, LAW ENFORC.

Community of Users, ctd







How will we proceed?

- **Short-term (Spring to summer 2015)**: Finalising the mapping of security-related policies and relevant FP7 projects (HOME, RTD, CNECT), EDA projects as well as capacity-building projects – Advanced draft communicated to the CoU by the next meeting scheduled on 5th May 2015 (panel discussions with live streaming)
- **Medium-term (Summer to winter 2015)**: Collecting views and inputs on H2020 developments from CoU participants about operationalising links among future research projects, industry, policy sectors and operators
- **Long-term**: Consolidation of the CoU exchange platform with expected supporting impact on H2020 and policy implementation – enhanced links with users, return of experiences from industry (access to market) and operators